Simplicity

48" Rotary Mower

Mfrs. No. 414

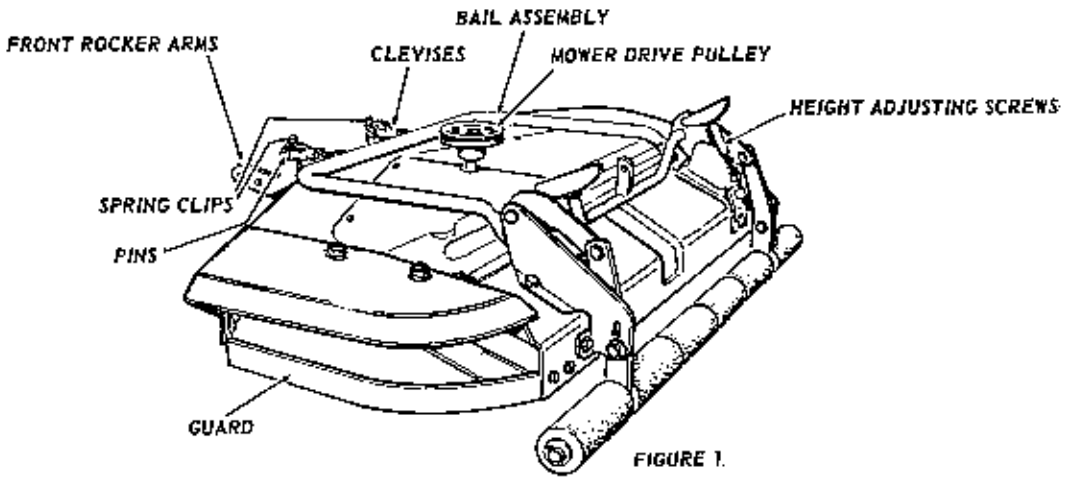

FIGURE 1.

Attachment

To attach the 48" Rotary Mower to the Tractor, follow the sequence of steps as outlined below;

1. Place the mower beside the tractor, and turn the tractor wheels to full left position. Before sliding the mower under the tractor, remove the hair pin cotters and pins connecting the clevises on front end of bail assembly. Allow the rocker arms to drop down. This will now provide sufficient clearance for the mower to slide under the tractor. With the mower under the tractor, replace the clevises on rocker arms and fasten with hair pin cotters and pins.

2. Connect the rockers arms to front mounting brackets under the tractor, by using pins and hair pin cotters as shown in Figure 2.

3. Place the tractor lift lever in its rear position and attach the mower lift lever to the tractor lift arm on right hand side of tractor as shown in Figure 3. Use hex capscrew, flatwashers, and hex nut furnished for this purpose.

4. Connect the mower lift chain to the lift lever by fastening the lift links in place with a pin and hair pin cotter as shown in Figure 3.

5. Place the cross drive belt in position on the mower drive pulley. Give the belt a 90° twist towards the left hand side of the tractor and mount belt to larger pulley of power take-off as shown in Figure 3. When installed in proper manner, the belt should run from the left side of mower pulley to bottom side of power take-off pulley.

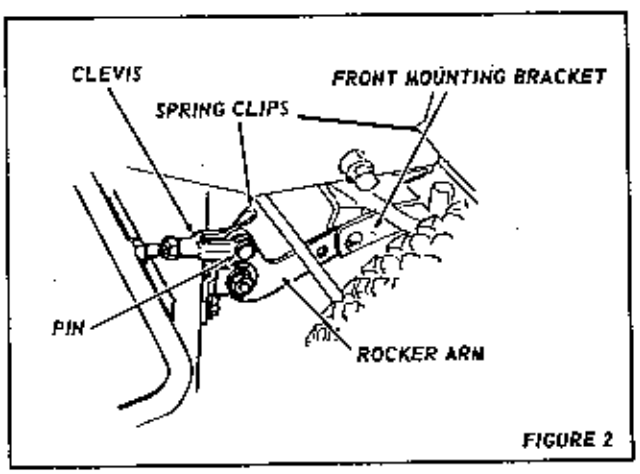

FIGURE 2

Adjustments

To check the final adjustment of the mower height, place the tractor with the mower attached, on a smooth flat surface. Rotate the center blade to the front and measure the distance from its front tip to the ground. Then rotate each of the side blades so that their tips can be measured at the front. For best mowing results, the leading tip of the center blade should be about 1/4" higher than the trailing tip of the two side blades. To obtain this adjustment, remove pins from clevises and rocker arms, loosen the hex nut in back of each clevis and turn each clevis in or out sufficiently to achieve this setting. In making this adjustment, be sure that both clevises are adjusted equally.

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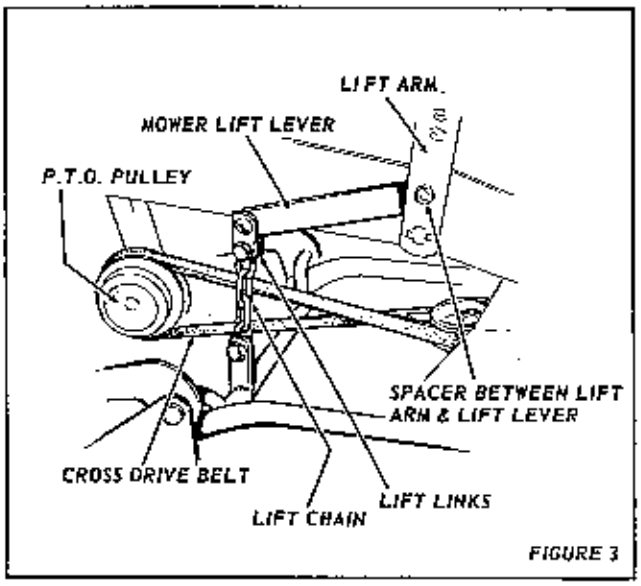


FIGURE 3

Belt Tension

The mower spindle drive belt in spring loaded and requires no further adjustment.

NOTE: The cross drive belt and the blade drive belt are a super combine type belt and are designed and manufactured to provide long and satisfactory service. Because of the special design of these belts, it is urged that you replace them only with genuine replacement belts ordered from your dealer. Consult the parts list for the correct part numbers for these belts when replacement is necessary.

Lubrication

The mower arbor spindles are supported in prelubricated, sealed ball bearing assemblies, which do not require further attention.

Operation

1. Set mower to desired height of cut by turning the adjusting screw handles counter-clockwise to lower the cut, and clockwise to raise the cut. Turn each adjusting handle an equal number of times to insure level operation.

2. Start the tractor engine with the power take-off in the disengaged position, and lower the mower to cutting position by releasing the tractor lift lever.

3. Engage the power take-off to set the mower blades in operation; engage the tractor clutch and proceed with mowing.

4. To transport the mower; disengage the power take-off to stop blades. Raise the mower above the surface by pushing the tractor lift lever to forward locked position.

CAUTION

MOWER SHALL NOT BE USED WITHOUT EITHER VACUUM COLLECTOR ADAPTER OR THE THE DEFLECTOR ADAPTER IN PLACE.

IMPORTANT

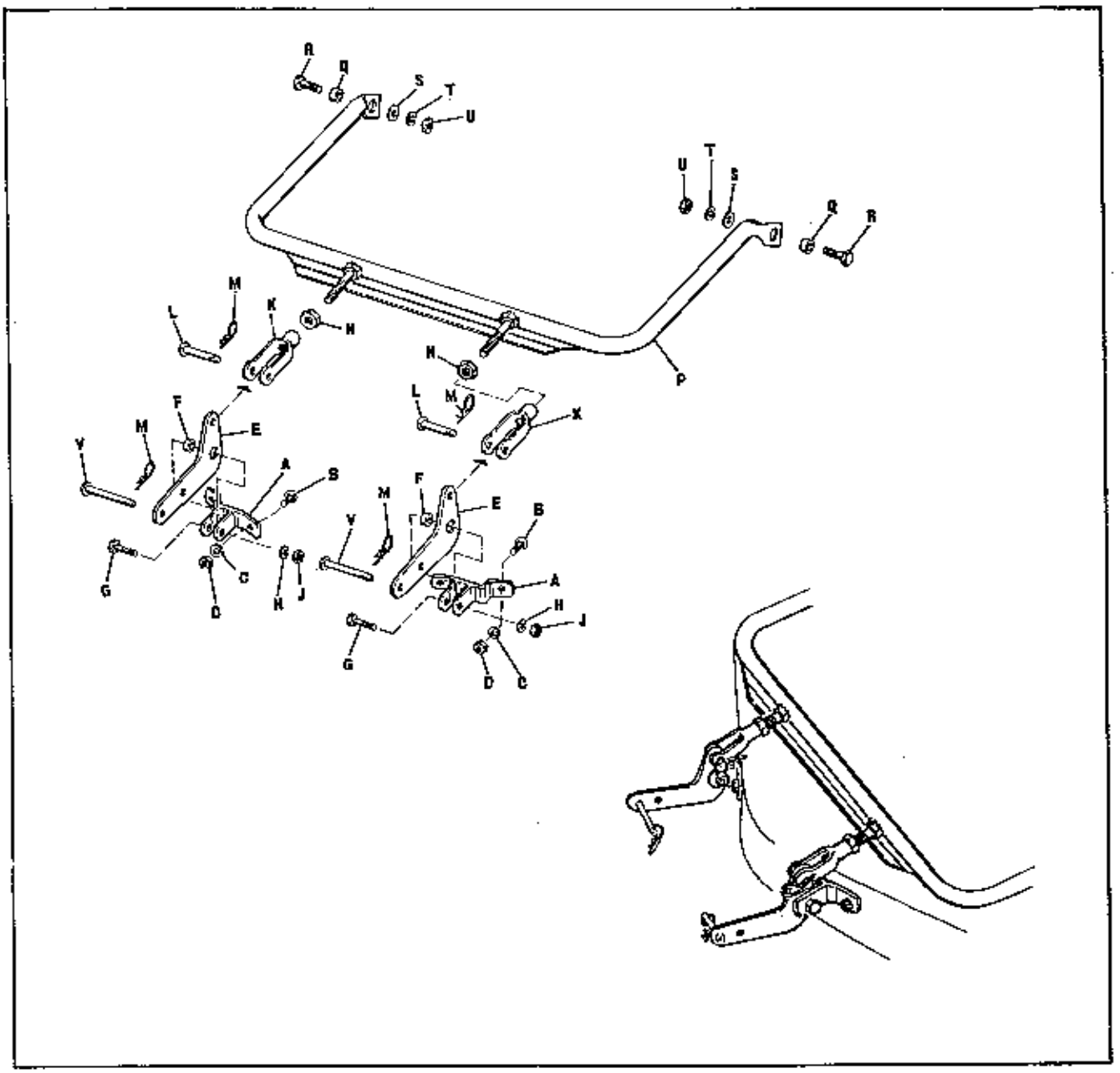
USE ONLY SIMPLICITY REPLACMENT BELTS & BLADES

Caution

It is the responsibility of the operator to see that the area where the mower will be used is free of all types of foreign material. This includes wire, rope, rags, sticks, bottles, cans, pipe, and rocks, etc. These represent potential dangers to mower, operator, and spectators; as well as having a dulling effect on the mower blades.

Always guard for obstacles when mowing, and never leave mower running while unattended.

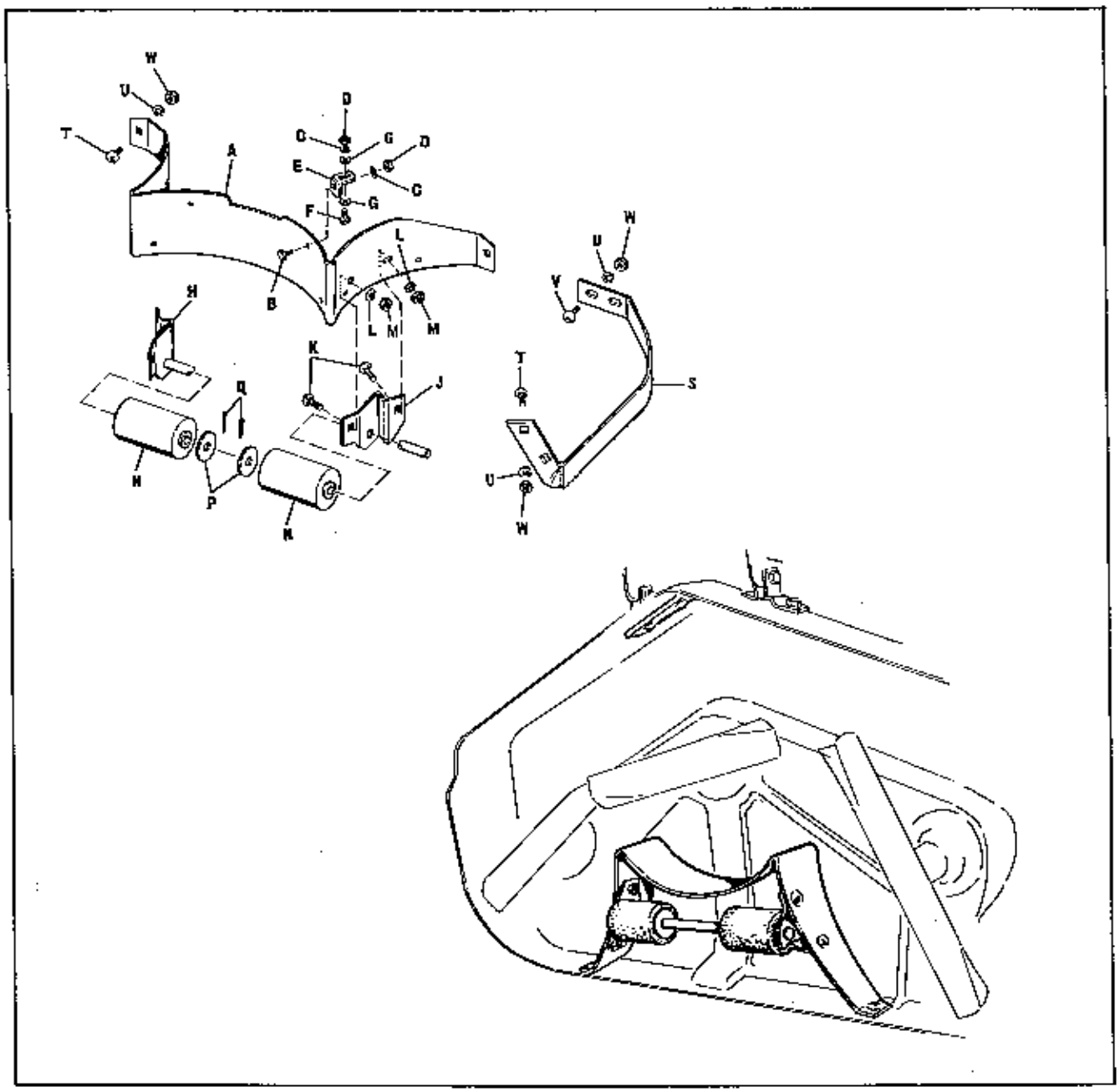
BAIL ASSEMBLY



Ref. Let.	Part No.	Description
A	108219	Front Bracket Assembly
B	702002	Carriage Bolt, 3/8"-16 x 1"
C	720002	Lock Washer, 3/8"
D	717003	Full Hex. Nut, 3/8"-16
E	108663	Rocker Arm
F	105051	Spacer
G	705049	Hex. Cap Screw, 1/2"-13 x 1-1/4"
H	720004	Lock Washer, 1/2"
J	717006	Full Hex Nut, 1/2"-13
K	154304	End Adj. Yoke
L	154305	Yoke Pin

Ref. Let.	Part No.	Description
L	154305	Yoke Pin
M	8161045	Spring Clip
N	717016	Hex. Jam Nut, 1/2"-20
P	108459	Bail Assembly
Q	105051	Spacer
R	705049	Hex. Cap Screw, 1/2"-13 x 1-1/4"
S	719004	Plain Washer, 1/2"
T	720004	Lock Washer, 1/2"
U	717006	Full Hex Nut, 1/2"-13
V	118053	Pin

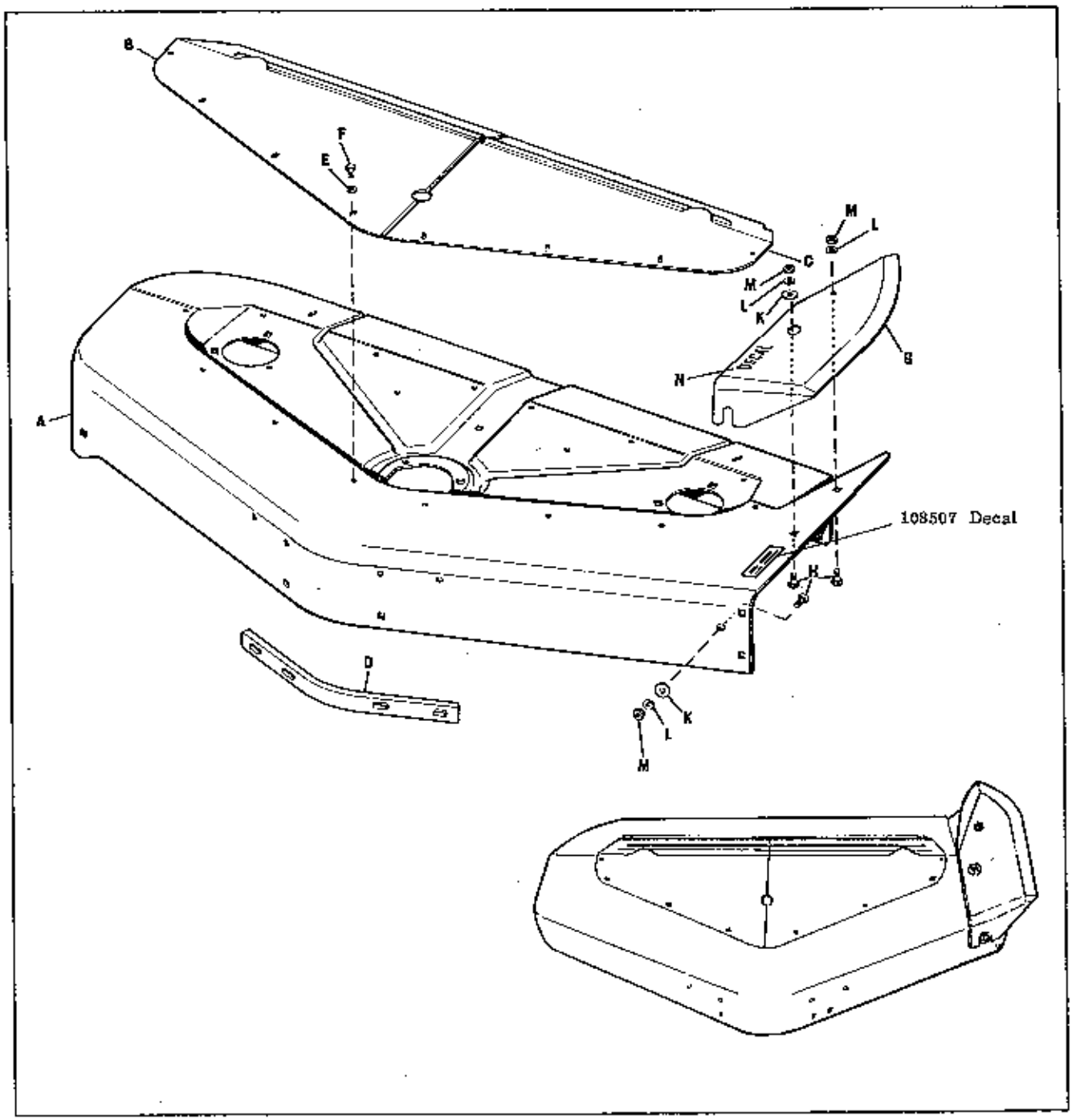
MOWER UNDERSIDE



Ref. Let.	Part No.	Description
A	108453	Baffle
B	714012	Self Tap Hex. Screw, 1/4"-20 x 7/8
C	720003	Lock Washer, 1/4"
D	717005	Full Hex. Nut, 1/4"-20
E	108186	Baffle Clip
F	715018	Hex. Cap Screw, 1/4"-20 x 5/8"
G	719006	Plain Washer, 1/4"
H	108454	Bracket & Shaft Assembly
J	108224	L. H. Roller Bracket
K	702015	Carriage Bolt, 5/16"-18 x 3/4"
L	720001	Lock Washer, 5/16"

Ref. Let.	Part No.	Description
M	717001	Full Hex. Nut, 5/16"-18
N	108431	Roller Assembly w/Bushing
P	116001	Washer
Q	722011	Cotter Pin, 5/16"-1"
R	108419	Bushing
S	108452	Housing Assembly Guard
T	702003	Carriage Bolt, 3/8"-16 x 3/4"
U	720002	Lock Washer
V	702002	Carriage Bolt 3/8"-16 x 1"
W	717003	Full Hex. Nut, 3/8"-16

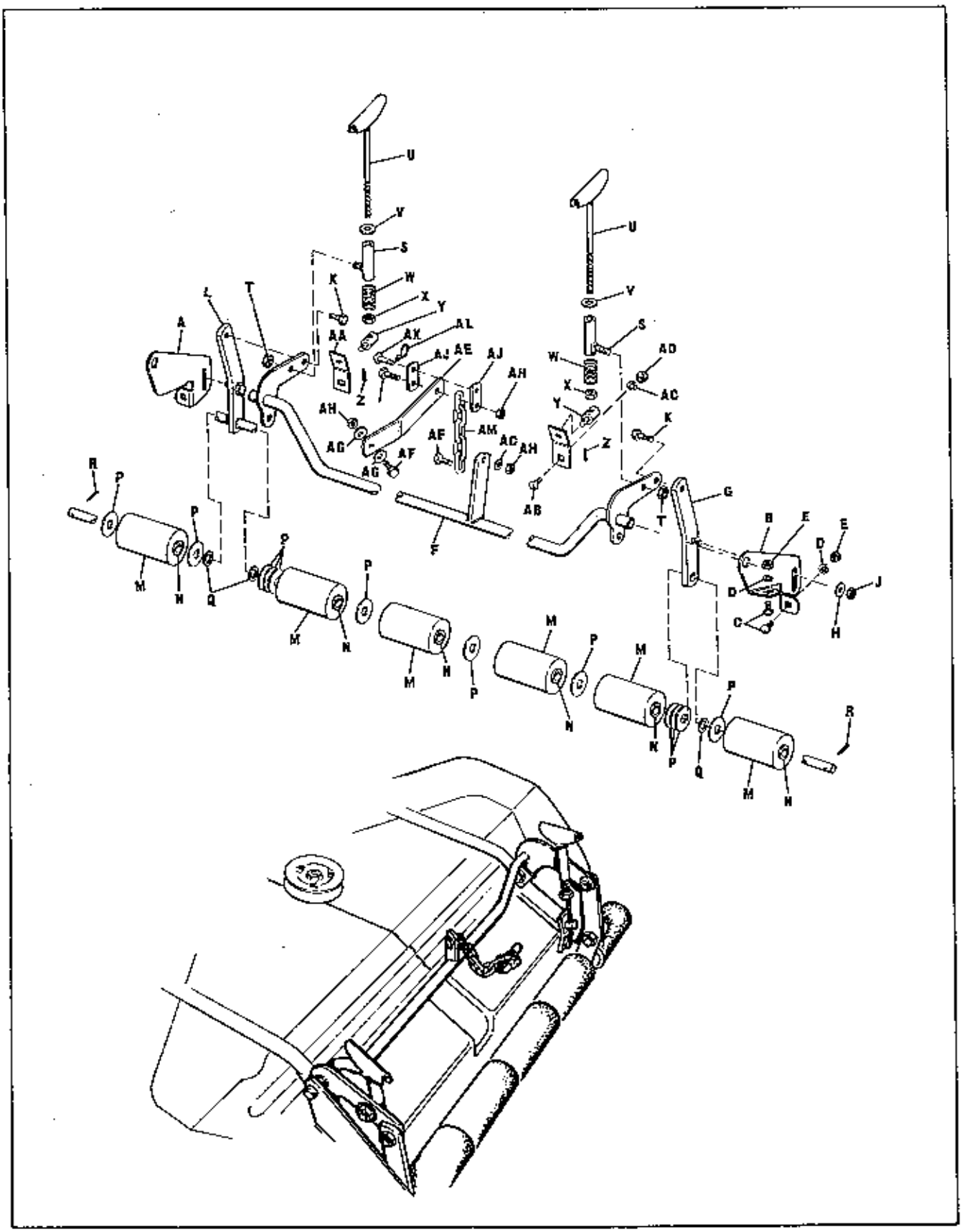
DECK ASSEMBLY



Ref. Let.	Part No.	Description
A	108451	Mower Housing
B	108456	R. H. Cover
C	108457	L. H. Cover
D	105366	Reinforcing Bar
E	719007	Plain Washer
F	714007	Self Tapping Screw, 1/4"-20 x 3/8" lg.

Ref. No.	Part No.	Description
G	108506	Deflector
H	703004	Carriage Bolt, 3/8"-16 x 3/4" lg.
K	8161199	Special Washer
L	720002	Lock Washer, 3/8"
M	717003	Hex Nut, 3/8"-16
N	103031	Decal

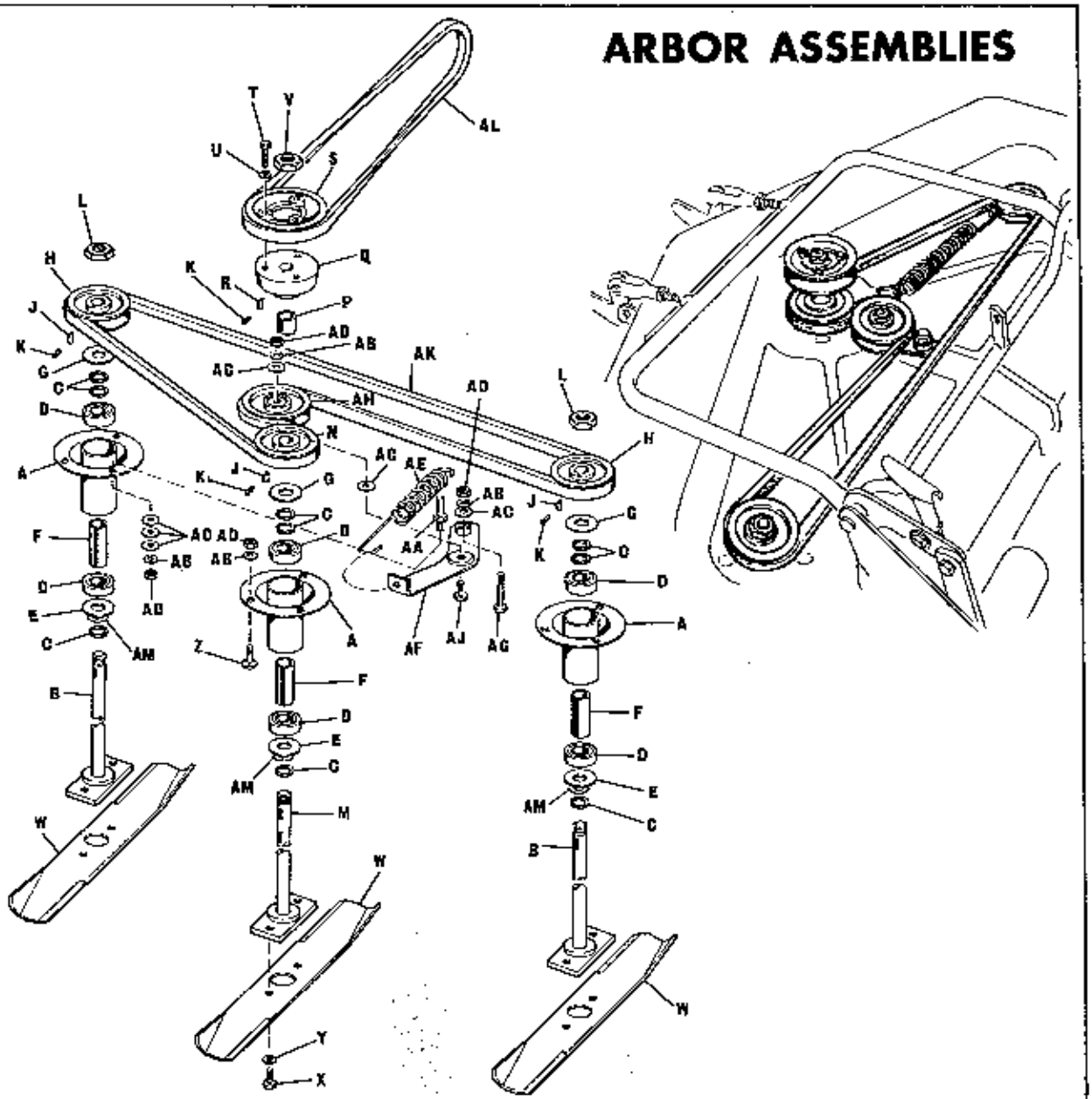
ROLLER ASSEMBLY



ROLLER ASSEMBLY

Ref. Let.	Part No.	Description
A	108461	R. H. Roller Bracket
B	108462	L. H. Roller Bracket
C	702003	Carriage Bolt, 3/8"-16 x 3/4"
D	720002	Lock Washer
E	717003	Full Hex. Nut, 3/8"-16
F	108463	Rocker Assembly Arm
G	108466	Roller Bar Assembly L. H.
H	719001	Plain Washer, 3/8"
J	717510	Full Hex. Nut, 3/8"-16
K	705005	Hex. Cap Screw, 3/8"-16 x 1"
L	108464	Roller Shaft Assembly
M	108432	Roller W/Bushing
N	108419	Bushing
P	116001	Washer
Q	8261055	Washer
R	722011	Cotter Pin, 3/16"-1"
S	108467	Socket Crank Assembly
T	717510	Full Hex. Nut, 3/16"-16
U	108469	Adjusting Screw Assembly
V	719001	Plain Washer
W	108360	Adjusting Screw Spring
X	717013	Hex. Jam Nut, 3/8"-16
Y	108172	Pivot
Z	722001	Cotter Pin, 3/32" x 3/4"
AA	108444	Lift Link
AB	703004	Carriage Bolt, 3/8"-16 x 3/4"
AC	720002	Lock Washer, 3/8"
AD	717003	Full Hex. Nut, 3/8"-16
AE	108198	Mower Lift Lever
AF	705005	Hex. Cap Screw, 3/8"-16 x 1"
AG	719001	Plain Washer, 3/8"
AH	717510	Full Hex. Nut, 3/8"-16
AJ	108199	Mower Lift Link
AK	153058	Lock Pin
AL	8161045	Spring Clip
AM	101084	Chain

ARBOR ASSEMBLIES



Ref. Let.	Part No.	Description
A	108203	Tube Assembly, Arbor
B	108250	Arbor Assembly
C	108181	Washer
D	108202	Bearing
E	108257	Washer
F	108201	Spacer
G	108139	Flinger
H	108142	Pulley
J	725006	Woodruff Key, #61-3/16×5/8"
K	713504	Set Screw, 5/16"-18 x 3/8"
L	717517	Hex. Lock Nut, 3/4"-16
M	108434	Arbor Drive Assembly
N	108142	Pulley
P	108436	Spacer
Q	108437	Pulley Hub
R	725006	Woodruff Key, #61-3/16"x5/8"
S	108438	Pulley
T	705018	Hex. Cap Screw, 5/16"-18x1-1/2"

Ref. Let.	Part No.	Description
U	720001	Lock Washer, 5/16"
V	717517	Hex. Lock Nut, 3/4"-16
W	108448	Knife Blade
X	715024	Hex. Cap Screw, 3/8"-16x5/8"
Y	720002	Lock Washer, 3/8"
Z	703004	Carriage Bolt, 3/8"-16 x 3/4"
AA	156131	Stop Stud
AB	720002	Lock Washer, 3/8"
AC	719002	Plain Washer, 5/16"
AD	717003	Full Hex Nut, 3/8"-16
AE	108449	Tension Spring
AF	108473	Idler Lever Assembly
AG	705010	Hex. Cap Screw, 3/8"-16x1-3/4"
AH	108386	Idler Pulley
AJ	108418	Screw
AK	108450	"V" Belt
AL	108458	"V" Belt, Cross Drive
AM	108472	Washer